



032751-050.ST25

# 16

SEQUENCE LISTING

<110> Rittner, Karola  
Jacobs, Eric

<120> Complex for Transferring an Anionic Substance of Interest into a Cell

<130> 032751-050

<140> US 09/865,553

<141> 2001-05-29

<150> US 60/246,083

<151> 2000-11-07

<150> US 60/277,982

<151> 2001-03-23

<150> EP 00 44 0162.6

<151> 2000-05-26

<150> EP 01 44 0049.3

<151> 2001-02-27

<160> 20

<170> FastSEQ for Windows Version 4.0

<210> 1

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<212> PRT

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<223> mutPep

<221> VARIANT

<222> 4, 8, 11, 15, 19

<223> Xaa = Any Amino Acid

<400> 1

Gly Leu Phe Xaa Ala Leu Leu Xaa Leu Leu Xaa Ser Leu Trp Xaa Leu

1

5

10

15

Leu Leu Xaa Ala

20

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<213> Artificial Sequence

<220>

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Gly Leu Phe Lys Ala Leu Leu Lys Leu Leu Lys Ser Leu Trp Lys Leu  
 1 5 10 15  
 Leu Leu Lys Ala  
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<210> 3  
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 <223> JTS-1

<400> 3  
 Gly Leu Phe Glu Ala Leu Leu Glu Leu Leu Glu Ser Leu Trp Glu Leu  
 1 5 10 15  
 Leu Leu Glu Ala  
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<210> 4  
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<220>  
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 Gly Leu Phe Glu Ala Leu Leu Glu Leu Leu Glu Ser Leu Trp Glu Leu  
 1 5 10 15  
 Leu Leu Glu Ala Cys Cys Tyr Lys Ala Lys Lys Lys Lys Lys Lys  
 20 25 30  
 Lys Trp Lys Lys Lys Lys Gln Ser  
 35 40

<210> 5  
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 <212> PRT  
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<220>  
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<400> 5  
 Trp Glu Ala Lys Leu Ala Lys Ala Leu Ala Lys Ala Leu Ala Lys His  
 1 5 10 15  
 Leu Ala Lys Ala Leu Ala Lys Ala Leu Lys Ala Cys Glu Ala  
 20 25 30

<210> 6  
 <211> 20  
 <212> PRT  
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&lt;220&gt;

&lt;223&gt; ppTG20

&lt;400&gt; 6

Gly	Leu	Phe	Arg	Ala	Leu	Leu	Arg	Leu	Leu	Arg	Ser	Leu	Trp	Arg	Leu
1				5				10						15	
Leu	Leu	Arg	Ala												
			20												

&lt;210&gt; 7

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; ppTG21

&lt;400&gt; 7

Gly	Leu	Phe	His	Ala	Leu	Leu	His	Leu	Leu	His	Ser	Leu	Trp	His	Leu
1				5				10						15	
Leu	Leu	His	Ala												
			20												

&lt;210&gt; 8

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; ppTG22

&lt;400&gt; 8

Gly	Leu	Phe	Lys	Ala	Leu	Leu	Lys	Leu	Leu	Lys	Ser	Leu	Trp	Lys	Leu
1				5				10						15	
Leu	Leu	Lys	Ala	Cys											
			20												

&lt;210&gt; 9

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; ppTG23

&lt;400&gt; 9

Cys	Gly	Leu	Phe	Lys	Ala	Leu	Leu	Lys	Leu	Leu	Lys	Ser	Leu	Trp	Lys
1				5				10						15	
Leu	Leu	Leu	Lys	Ala											
			20												

&lt;210&gt; 10

&lt;211&gt; 22

&lt;212&gt; PRT

<213> Artificial Sequence

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<223> ppTG24

<400> 10

Cys	Gly	Leu	Phe	Lys	Ala	Leu	Leu	Lys	Leu	Leu	Lys	Ser	Leu	Trp	Lys
1				5				10						15	
Leu	Leu	Leu	Lys	Ala	Cys										
			20												

<210> 11

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> ppTG25

<400> 11

Gly	Leu	Phe	Lys	Ala	Leu	Leu	Lys	Leu	Leu	Lys	Ser	Leu	Trp	Lys	Leu
1			5				10							15	
Leu	Leu	Lys	Ala	Gly	Gly	Gly	Pro	Lys	Lys	Lys	Arg	Lys	Val	Glu	Asp
			20					25					30		

<210> 12

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> ppTG26

<400> 12

Gly	Leu	Phe	Lys	Ala	Leu	Leu	Lys	Leu	Leu	Lys	Ser	Leu	Trp	Lys	Leu
1			5				10							15	
Leu	Leu	Lys	Ala	Gly	Gly	Gly	Pro	Lys	Thr	Lys	Arg	Lys	Val	Glu	Asp
			20					25					30		

<210> 13

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> ppTG27

<400> 13

Gly	Leu	Phe	Lys	Ala	Leu	Leu	Lys	Leu	Leu	Lys	Ser	Leu	Trp	Lys	Leu
1			5				10							15	
Leu	Leu	Lys	Ala	Gly	Gly	Gly	Asp	Glu	Val	Lys	Arg	Lys	Lys	Lys	Pro
			20					25					30		

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 <223> ppTG28

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 1 5 10 15  
 Leu Leu Lys Ala  
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<210> 15  
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 <212> PRT  
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<220>  
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<400> 15  
 Gly Leu Phe Arg Arg Leu Leu Arg Leu Leu Arg Arg Leu Trp Arg Leu  
 1 5 10 15  
 Leu Leu Arg Ala  
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<210> 16  
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 <212> PRT  
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<220>  
 <223> ppTG30

<400> 16  
 Gly Ile Phe Lys Ala Ile Ile Lys Ile Ile Lys Ser Ile Trp Lys Ile  
 1 5 10 15  
 Ile Ile Lys Ala  
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<210> 17  
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 <212> PRT  
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<220>  
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<400> 17  
 Gly Ile Phe Arg Ala Ile Ile Arg Ile Ile Arg Ser Ile Trp Arg Ile  
 1 5 10 15  
 Ile Ile Arg Ala  
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<210> 18  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> ppTG32

<400> 18  
 Gly Val Phe Lys Ala Val Val Lys Val Val Lys Ser Val Trp Lys Val  
 1 5 10 15  
 Val Val Lys Ala  
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<210> 19  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> ppTG33

<400> 19  
 Gly Val Phe Arg Ala Val Val Arg Val Val Arg Ser Val Trp Arg Val  
 1 5 10 15  
 Val Val Arg Ala  
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<210> 20  
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<220>  
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<400> 20  
 Gly Leu Phe Arg Ala Leu Leu Arg Leu Leu Arg Ser Leu Trp Arg Leu  
 1 5 10 15  
 Leu Leu Arg Ala  
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